

NOTES

Portland Harbor Superfund Site Consultation The Confederated Tribes of Warm Springs Reservation and United States Environmental Protection Agency

Thursday July 21, 2016, 2:00 – 4:00 pm
EPA Portland Oregon Operations Office, 20th floor Conference Room
805 SW Broadway, Suite 500, Portland, Oregon 97205
(503) 326-3250

Notes taken by Cami Grandinetti

CTWSR ATTENDEES:

Robert “Bobby” Brunoe, Natural Resources General Manager and Tribal Historic Preservation Officer (THPO)

Clay Penhollow, Natural Resources Planner

Brad Houslet

EPA ATTENDEES:

Dennis McLerran, Regional Administrator

Jim Woolford, Director, EPA Office of Superfund Remediation and Technology Innovation

Jim Woods, Senior Tribal Policy Advisor

Cami Grandinetti, Manager, Remedial Cleanup Program

Sean Sheldrake, Remedial Project Manager

Tribal council members unable to attend. Met with staff.

Dennis – Overview and powerpoint

Questions:

- What are residuals left at the site?
- Will caps be maintained?
- What monitoring will be done? What can EPA do if this doesn't work the way you envision?
- What if sources are discovered?
- Lamprey and sturgeon impacts – need to consider.
- Not Government to Government because council not here.
- Remember Trust responsibility to Tribes
- Treaty rights – fishing, hunting, cultural gathering, livestock grazing

DRAFT AGENDA and ATTENDEES

Portland Harbor Superfund Site Government to Government Consultation
The Confederated Tribes of Warm Springs Reservation and
United States Environmental Protection Agency

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DRAFT AGENDA TOPICS

- Welcome and Introductions
- Chronology and Background of the Portland Harbor Superfund Site
- Overview of collaboration between EPA and the Tribe to date
- Description and rationale for the proposed alternative
- Tribal Input and Open Dialogue
- Next Steps

EPA ATTENDEES:

Dennis McLerran, Regional Administrator

Jim Woolford, Director, EPA Office of Superfund Remediation and Technology Innovation

Jim Woods, Senior Tribal Policy Advisor

Cami Grandinetti, Manager, Remedial Cleanup Program

Sean Sheldrake, Remedial Project Manager

CTWSR ATTENDEES:

Charles “Jody” Calica, Tribal Council Vice Chair

Ron Suppah, Sr., Tribal Councilman

Robert “Bobby” Brunoe, Natural Resources General Manager and Tribal Historic Preservation Officer (THPO)

Clay Penhollow, Natural Resources Planner

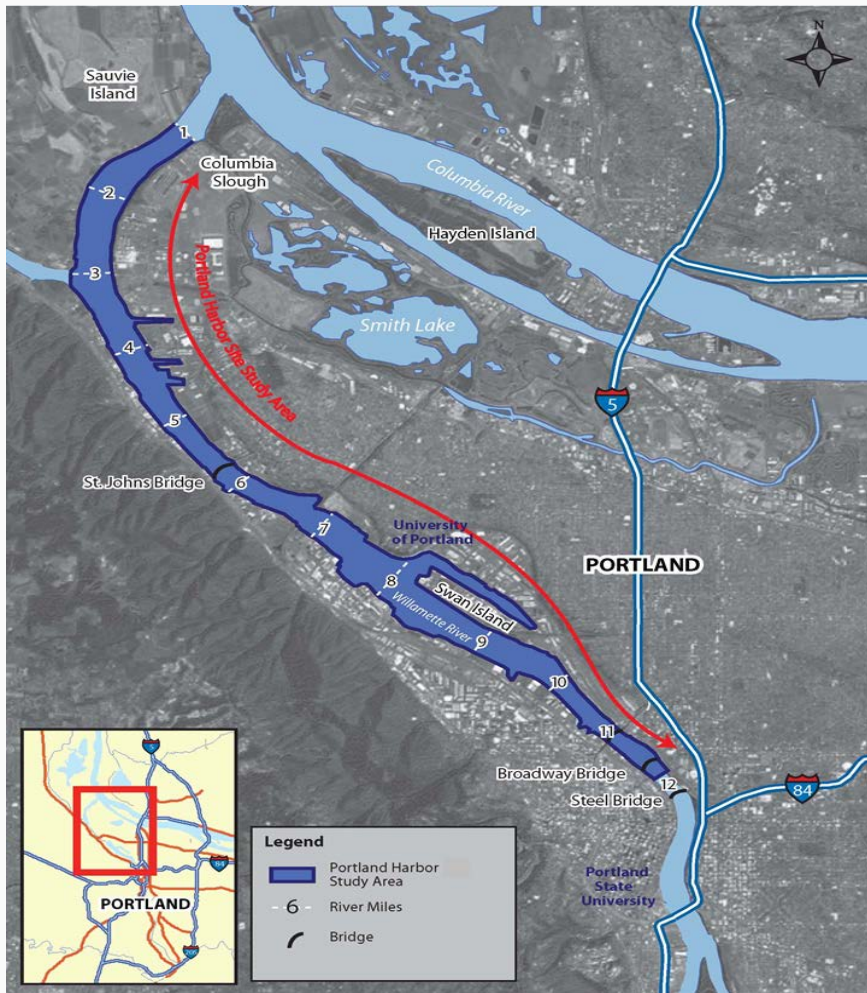
Tribal Consultation

Portland Harbor Superfund Site



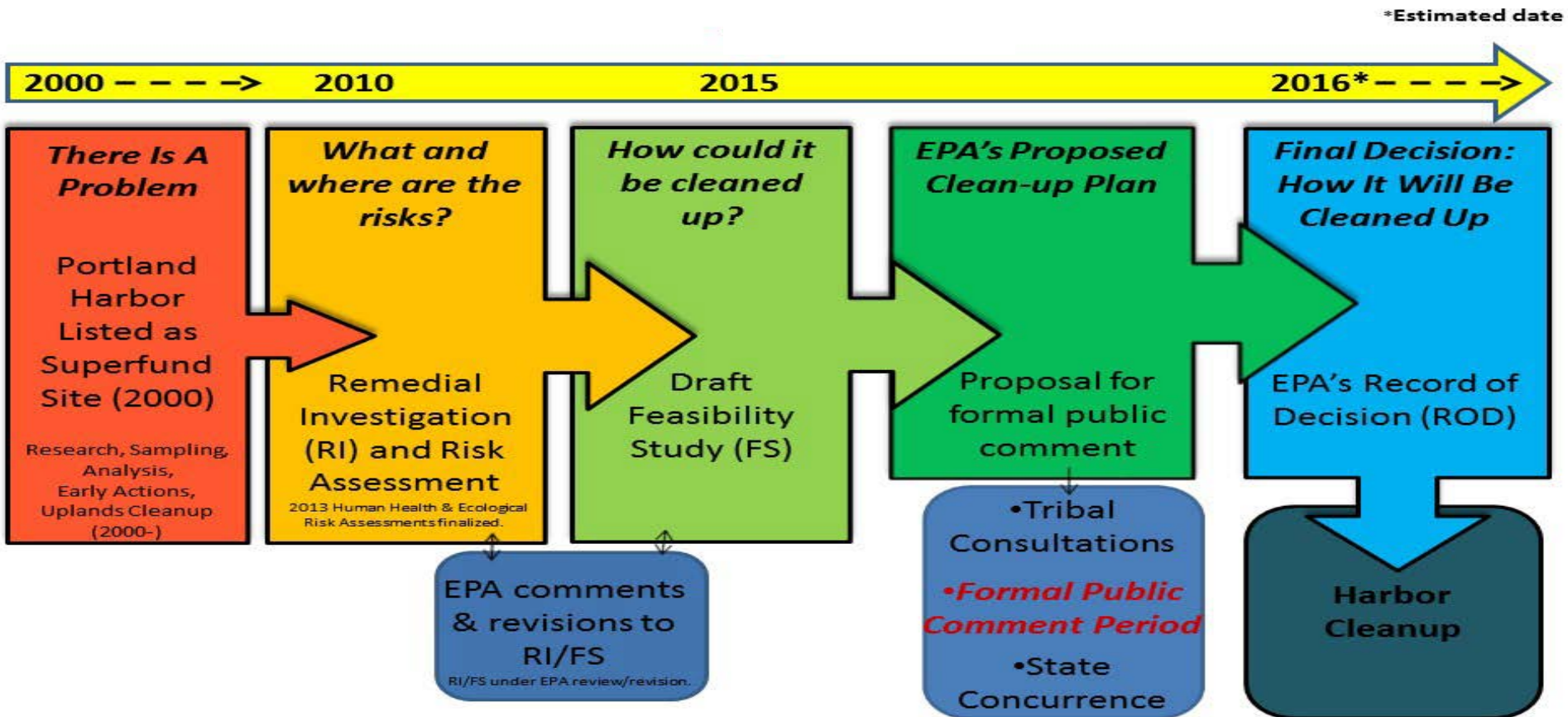
Photo by Elizabeth Allen

Lower Willamette River



- Treaty resources
- Tribal fishing and historical ceremonial practices
- Aquatic habitat (salmon and lamprey)
- Industry
- Recreational uses
- Fishing for sustenance
- Shipping and navigation

Key Milestones



Tribal involvement at each of these steps



Tribes working with EPA

- **Tribes formally petitioned EPA to list the site.**
- **Tribes have been funded to provide technical oversight and input to the process**
- **EPA has been coordinating with 6 Tribes at technical levels and at these more formal Tribal consultations**



Basis for Action

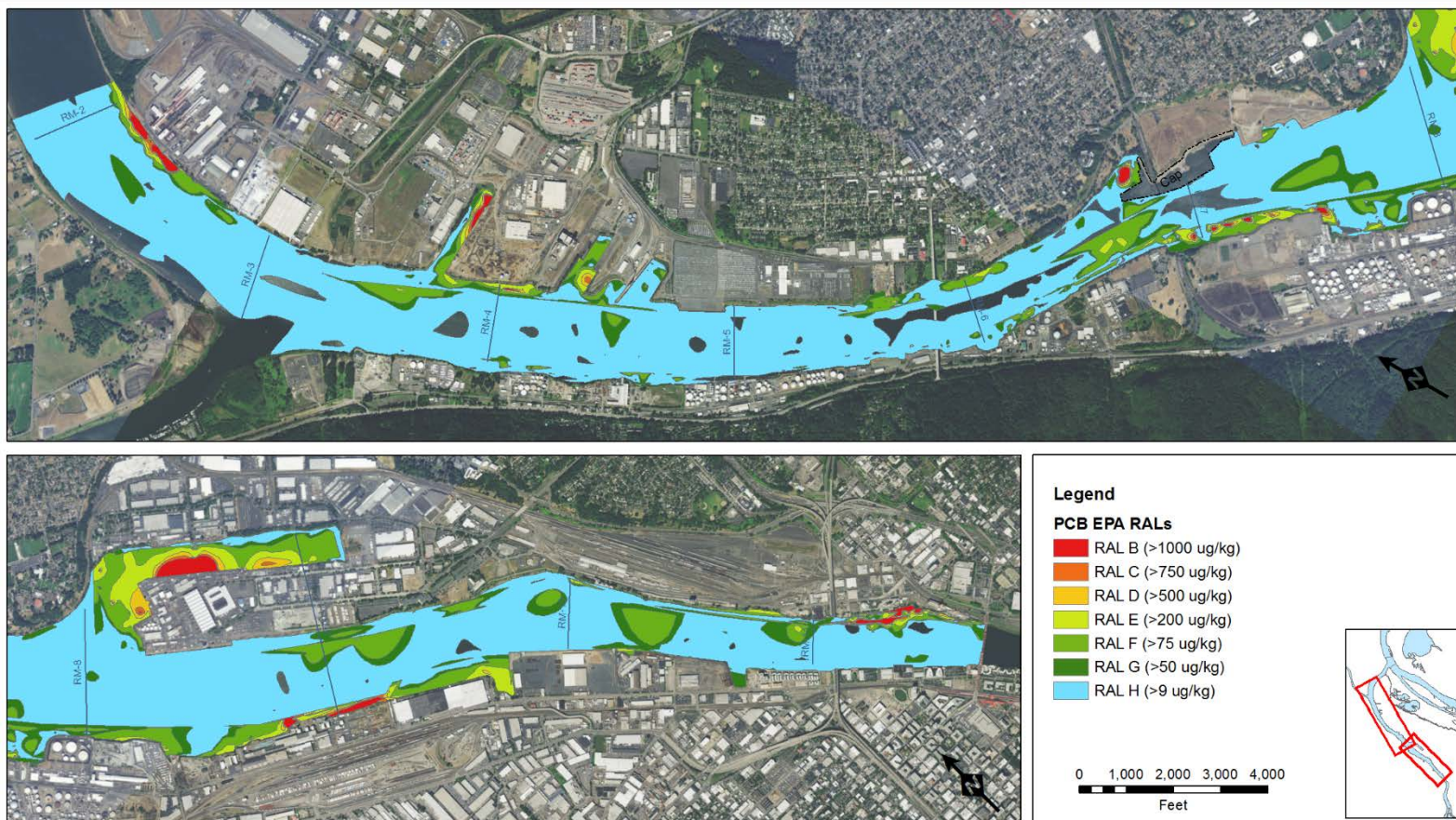
- Unacceptable risk to human health
 - Most exposure/risk – fish consumption
- Unacceptable risk to ecological receptors
 - Focus on Ecological Significance
 - Most risk to birds, fish, and mammals – fish consumption
 - Benthic risk – primarily groundwater, pesticides and metals



Focused Contaminants of Concern

- Chemical Contaminants
 - PCBs
 - Polyaromatic Hydrocarbons
 - The pesticide DDT, its by-products
 - Dioxins/Furans
- Most widespread
- Most associated risk
- Addresses other contaminants

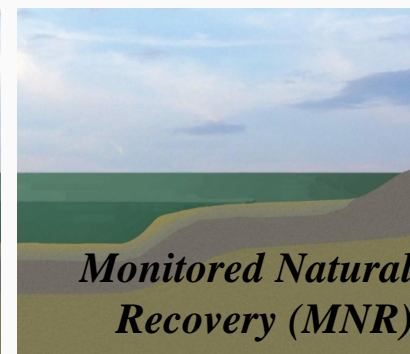
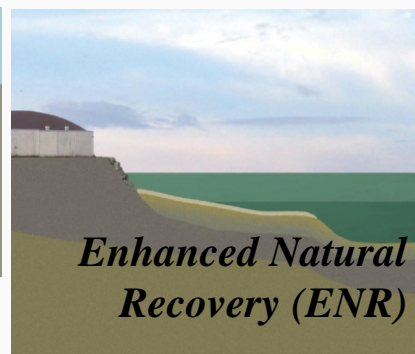
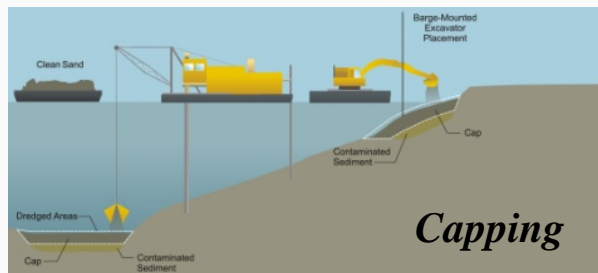
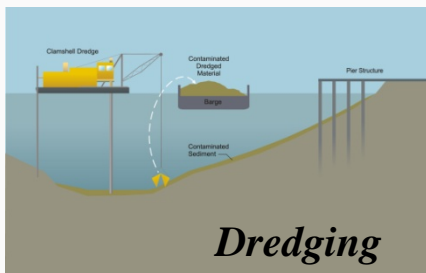
Example of Contaminant Distribution





ALL CLEANUP ALTERNATIVES

Are Different Combinations of:



Removal

Containment

Natural Recovery



Summary of Cleanup Alternatives



| Alt | Dredge Volume | Dredge Areas | Dredge/Cap Areas | Cap Areas | In-Situ Areas | ENR | MNR | Construction Timeframe | Cost |
|-----|---------------|--------------|------------------|-----------|---------------|---------|---------|------------------------|-------|
| | (Cu Yd) | (Acres) | (Acres) | (Acres) | (Acres) | (Acres) | (Acres) | (Years) | (\$M) |
| B | 659,000 | 72 | 6 | 23 | 7 | 100 | 1,966 | 4 | 451 |
| C | 790,000 | 87 | 6 | 30 | 5 | 97 | 1,948 | 5 | 497 |
| D | 1,226,000 | 132 | 11 | 45 | 3 | 87 | 1,900 | 6 | 654 |
| E | 2,204,000 | 204 | 15 | 66 | 0 | 60 | 1,838 | 7 | 804 |
| | | | | | | | | | 870 |
| F | 5,100,000 | 387 | 32 | 118 | 0 | 28 | 1,634 | 13 | 1,317 |
| | | | | | | | | | 1,371 |
| G | 8,294,000 | 572 | 47 | 185 | 0 | 20 | 1,391 | 19 | 1,731 |
| | | | | | | | | | 1,777 |
| H | 33,487,000 | 1632 | 106 | 535 | 0 | 0 | 0 | 62 | 9,446 |
| | | | | | | | | | 9,525 |

Preferred Alternative

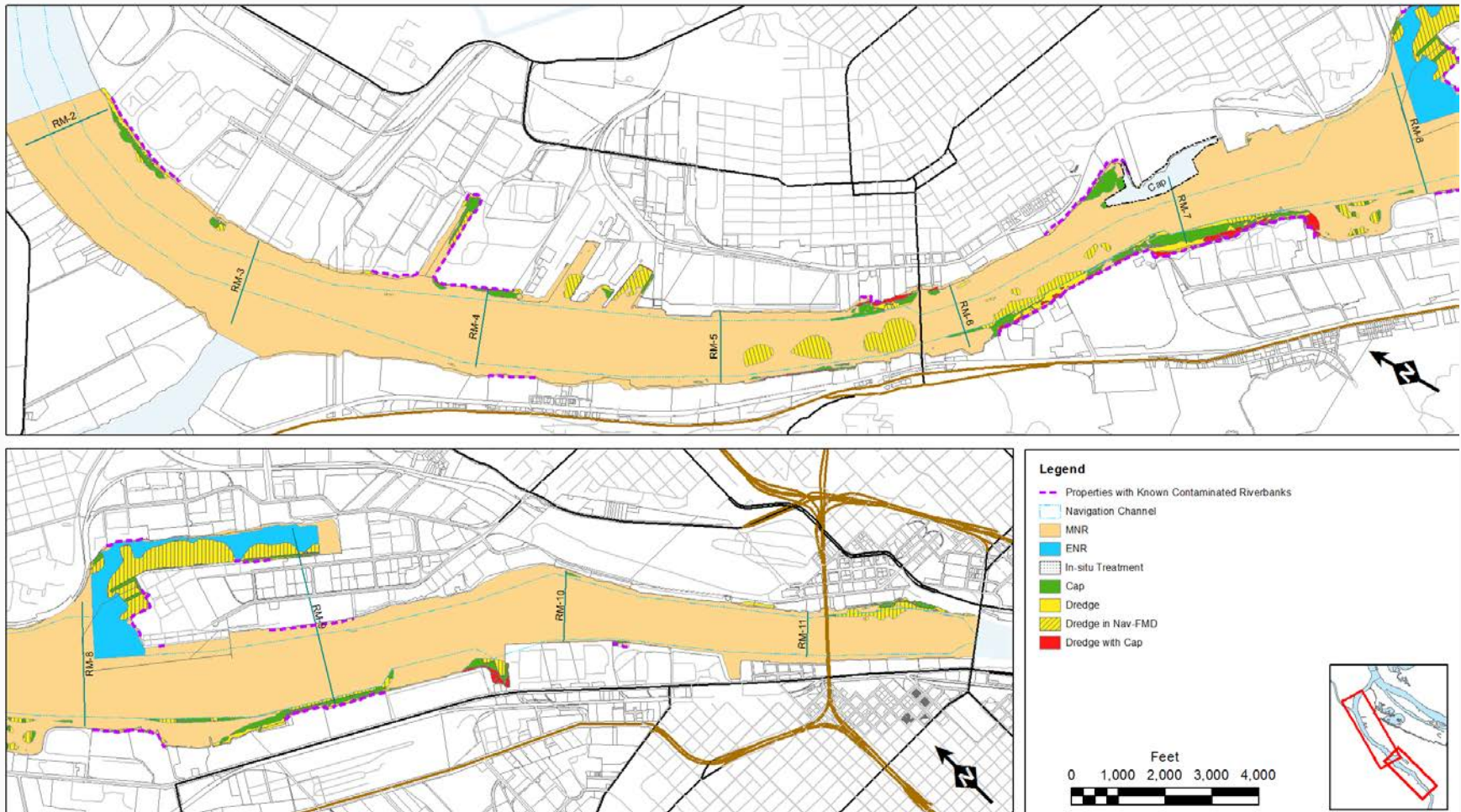
| | | | | | | | | | |
|---|-----------|-----|----|----|---|----|-------|---|-----|
| I | 1,855,000 | 167 | 17 | 64 | 0 | 60 | 1,876 | 7 | 746 |
| | | | | | | | | | 811 |



Proposed Cleanup by the Numbers

| | |
|-------------------------------------|--|
| Dredge or cap | Approx. 250 acres of river sediment 19472 lineal feet of river bank |
| Enhanced Natural Recovery | 60 acres |
| Monitored Natural Recovery | 1876 acres |
| Years of Construction Activities | 7 |
| Years of Monitored Natural Recovery | 23 |
| Cost | \$746 million \$811 million |

Preferred Alternative





Some Outcomes of Proposed Cleanup

- Active remediation for the most mobile, toxic waste
- Wildlife protected at end of construction
- Control contamination from riverbanks
- Allow most people to eat more fish
- Minimize river use restrictions (caps)
- Repair impacted habitat



Projected Timeline

| | |
|---|----------------------------|
| End public comment period | September 6, 2016 |
| Respond to comments and deliberate | September – December, 2016 |
| Record of Decision | December 31, 2016 |
| Begin negotiations with Potentially Responsible Parties | January 2017 |
| Begin active sampling, design and cleanup | 2017 and beyond |